

# BRAD BURZON

📍 Federal Way, WA   [in/brad-burzon](https://www.linkedin.com/in/brad-burzon)   <https://bradburzon.com>

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## SUMMARY

Driven Computer Science grad with hands-on project experience in Java, JavaScript, and Angular, seeking a Software Developer role to leverage my skills in technology solutions.

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## SKILLS

**Programming Languages:** Proficient in Java, JavaScript, TypeScript, Racket; familiar with C, Python, Kotlin, SQL.

**Web Development:** Proficient in HTML, CSS, Angular, Bootstrap, Firebase; familiar with Node.js, Express.js, MongoDB.

**Testing & Debugging:** Experienced in JUnit4, Jest, TDD, test coverage, and debugging.

**Tools & Technologies:** Proficient in Git, CI/CD, IntelliJ, Visual Studio Code, Jekyll; familiar in Windows, Unix, Docker.

**Collaboration & Agile:** Proficient in GitHub, Trello, Kanban, Scrum Agile, Microsoft Teams, Figma, Adobe XD.

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## PROJECTS

### 2DoList - Automated To Do List

Android Developer • <https://github.com/bradburzon/2DoList>

February 2024 - Present

- Developing clean code in **Java** using **DRY**, **KISS**, and **SOLID** principles, resulting in a 20% increase in code maintainability.
- Optimizing development workflow using **GitHub**, **Android Studio**, and **IntelliJ**, contributing to a 15% faster project turnaround.
- Applying **Test Driven Development (TDD)** and **Adapter** design pattern to enhance code scalability and allow for future extensions.
- Designing a friendly **User Interface (UI)** using **XML** and **Material Design** for consistent design across Android devices.
- Ensuring seamless progression through all phases of the **Software Development Life Cycle (SDLC)** using a Kanban board.

### Order Flow - Restaurant Ordering System

Full-Stack Developer

October 2023 - February 2024

- Successfully deployed a scalable, **Responsive Web** application for a restaurant ordering system, resulting in a 20% efficiency.
- Streamlined workflow and deployment by implementing **CI/CD** pipelines using **GitHub Actions**, resulting in 99% uptime.
- Designed and implemented an active listener architecture with **Firebase** that processed over 5,000 orders with 95% accuracy.
- Developed Front End with **Angular**, **TypeScript**, **HTML**, **CSS**, and **Bootstrap** while leveraging **Firebase** for Back End.
- Integrated authentication, hosting, and storage through **Firebase**, significantly improving user trust and system reliability.

### Cerebro - Cognitive Rehabilitation Games

Android Developer

August 2022 - July 2023

- Streamlined project planning with **Scrum Agile**, cutting development time by 20% through efficient sprint management.
- Leveraged **GitHub** in a 4-person team for 25% more efficient project management and documentation updates.
- Conducted **Usability Testing** with expert matters, improving critical features and boosting user satisfaction by 15%.
- Extended **Legacy Code** to improve UI, add features, and assist in game design using **Java**, **Android Studio**, **XML**, and **Firebase**.
- Integrated **Firebase Realtime Database** to move the application online, enabling users to access game results from any device.

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## WORK EXPERIENCE

### Computer Science Teaching Assistant

Indiana University • Bloomington, IN

August 2016 - December 2017

- Guided 30 students through complex programming ideas, fostering problem-solving skills essential for software development.
- Managed grading of over 500 homework assignments and 420 lab quizzes on time, demonstrating strong organizational skills.
- Enhanced students' grasp of 11 computer science crucial concepts like algorithms, data structures, and software engineering.
- Bridged student-faculty gap, utilizing clear technical communication and teamwork skills for software development.

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## EDUCATION

### B.S. in Computer Science

Purdue University Fort Wayne • Fort Wayne, IN

August 2021 - December 2023

- Achievements: Dean's List (2021), Honor's List (2021, 2023)
- Relevant Classes: Software Engineering, Computer Networks, Analysis of Algorithm, C and Unix, Database Systems

### Undergraduate

Indiana University • Bloomington, IN

August 2015 - December 2018

- Relevant Classes: Computer Science I & II, Data Structures, Programming Language Design, Discrete Mathematics